SCREENING SITE INSPECTION REPORT
FOR
GOLF AND RIVER LANDFILL
DES PLAINES, ILLINOIS
U.S. EPA ID: ILD980612717
SS ID: NONE
TDD: F05-8710-030
PAN: FIL0622SB

JULY 9, 1991

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SIGNATURE PAGE
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1. INTRODUCTION

Ecology and Environment, Inc., Field Investigation Team (FIT) was tasked by the United States Environmental Protection Agency (U.S. EPA) to conduct a screening site inspection (SSI) of the Golf and River Landfill site under contract number 68-01-7347.

The site was initially discovered by the Illinois Department of Public Health (IDPH) after the landfill's operator, Sanitary Improvement Company, filed an Application for Registration of a Refuse Disposal Site or Facility on July 28, 1969 (IDPH 1969). On June 8, 1981, Sanitary Improvement Company and Arc Disposal Company, Inc., a waste transporter, filed a Notification of Hazardous Waste Site form in accordance with section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980.

The site was evaluated in the form of a preliminary assessment (PA) that was submitted to U.S. EPA. The PA was prepared by Gregory W. Dunn of the Illinois Environmental Protection Agency (IEPA) and is dated January 28, 1987.

FIT prepared an SSI work plan for the Golf and River Landfill site under technical directive document (TDD) F05-8710-030, issued on October 9, 1987. The SSI work plan was approved by U.S. EPA on November 23, 1988. The SSI of the Golf and River Landfill site was conducted on April 4, 1989, under TDD F05-8710-030, reissued on January 12, 1989.

The FIT SSI included two interviews with a site representative, a reconnaissance inspection of the site, and the collection of six soil/sediment samples.

The purposes of an SSI have been stated by U.S. EPA in a directive outlining Pre-Remedial Program strategies. The directive states:

> All sites will receive a screening SI to 1) collect additional data beyond the PA to enable a more refined preliminary HRS [Hazard Ranking System] score, 2) establish priorities among sites most likely to qualify for the NPL [National Priorities List], and 3) identify the most critical data requirements for the listing SI step. A screening SI will not have rigorous data quality objectives (DQOs). Based on the refined preliminary HRS score and other technical judgement factors, the site will then either be designated as NFRAP [no further remedial action planned], or carried forward as an NPL listing candidate. A listing SI will not automatically be done on these sites, however. First, they will go through a management evaluation to determine whether they can be addressed by another authority such as RCRA [Resource Conservation and Recovery Act].... Sites that are designated NFRAP or deferred to other statutes are not candidates for a listing SI.
>
> The listing SI will address all the data requirements of the revised HRS using field screening and NPL level DQOs. It may also provide needed data in a format to support remedial investigation work plan development. Only sites that appear to score high enough for listing and that have not been deferred to another authority will receive a listing SI. (U.S. EPA 1988)

U.S. EPA Region V has also instructed FIT to identify sites during the SSI that may require removal action to remediate an immediate human health or environmental threat.

2. SITE BACKGROUND

2.1 INTRODUCTION

This section presents information obtained from SSI work plan preparation and the site representative interviews.

2.2 SITE DESCRIPTION

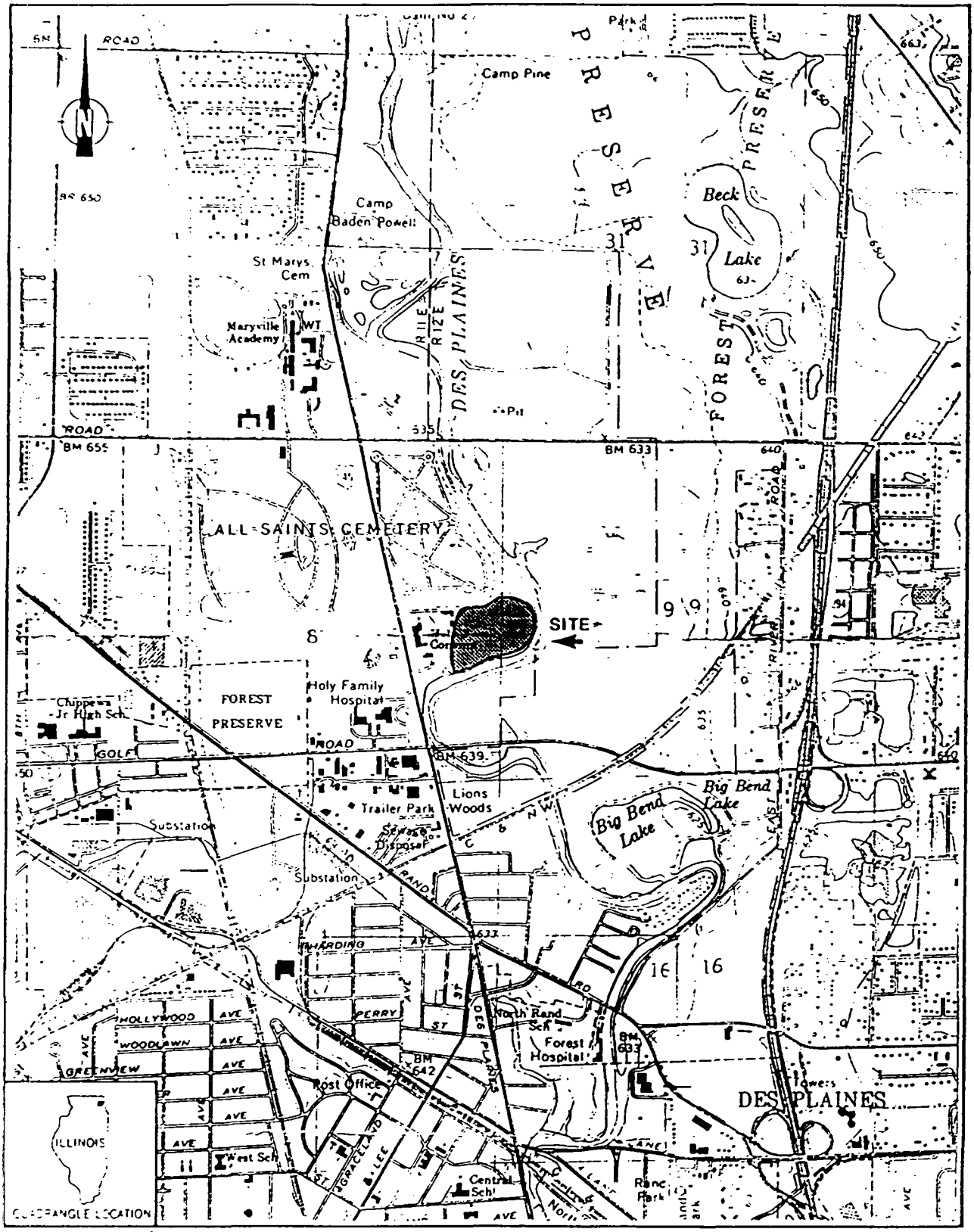
The Golf and River Landfill site is an inactive, trench-type landfill where mixed municipal wastes were deposited (IEPA 1969, 1987; U.S. EPA 1981, 1981a).

The site is located on approximately 20 acres of land behind The Sisters of the Holy Family of Nazareth Convent, in an area of mixed residential, recreational, and commercial land use. The site is located 1/4 mile north of the intersection of Golf and Des Plaines River roads, in Cook County, Des Plaines, Illinois (E1/2 sec. 8 and W1/2 sec. 9, T.41N., R.12E.) (see Figure 2-1 for site location).

The landfill is bordered by the Des Plaines River on its eastern and southern sides, and All Saints Cemetery is located directly north of the site. A 4-mile radius map of the Golf and River Landfill site is provided in Appendix A.

2.3 SITE HISTORY

The site property is currently owned by The Sisters of the Holy Family of Nazareth Convent. At the time of the SSI, Sister Janet Marie, treasurer of the convent, possessed the most information regarding previous and current waste disposal practices at the site. Sister Janet



SOURCE: Ecology and Environment, Inc. 1989; BASE MAPS: USGS, Arlington Heights, IL Quadrangle, 7.5 Minute Series, 1963, Photorevised 1972; Park Ridge, IL Quadrangle, 7.5 Minute Series, 1963, Photorevised 1972.

SCALE
0 ½ 1 MILE

FIGURE 2-1 SITE LOCATION

Marie stated that the convent has owned the site property for 100 years (Marie 1989). According to Sister Janet Marie, the site is currently inactive. At the time of the SSI, however, evidence of recent dumping of mixed municipal debris at the site was noted by FIT.

Landfill operations began at the Golf and River Landfill site circa 1955, when Sanitary Improvement Company leased the site property from the convent in order to operate a landfill, and hired Arc Disposal Company, Inc., to transport wastes to the landfill (Marie 1989). The owner of Sanitary Improvement Company was Edward De Boer, and its operator was Charles Heart (IDPH 1966). Prior to the opening of the landfill, the site property was used to grow alfalfa (Marie 1989).

Initially, only mixed municipal wastes were accepted at the site (IEPA 1987; U.S. EPA 1981, 1981a). Records were not available for waste deposited at the landfill before 1966 (IEPA 1987). The landfill encompassed approximately 20 acres and was approximately 30 feet deep (IDPH 1966).

On July 28, 1969, the landfill operator filed an Application for Registration of a Refuse Disposal Site or Facility with IDPH (IDPH 1969; IEPA 1987). The landfill ceased receiving refuse in approximately 1970, after Sanitary Improvement Company and the convent could no longer agree upon terms for the lease (De Boer 1970; IEPA 1987; Marie 1989).

According to information obtained from a solid waste disposal field inspection report conducted by IEPA on August 29, 1969, a final cover of 24 inches of unknown material had been applied to the landfill at the time of the inspection (IEPA 1969). Sanitary Improvement Company, under the supervision of IEPA and/or IDPH, reportedly applied the required final cover (De Boer 1970; IEPA 1969, 1970). The Sanitary Improvement Company dissolved around this time (U.S. EPA 1981).

Lack of daily cover was the only violation cited at the site during its operation, and no hazardous wastes were recorded to have been disposed of at the site (IEPA 1969, 1987). Two to three years after the landfill was closed, erosion began exposing pieces of concrete and boulders contained in the landfill (Marchiori 1989). J. S. Adams Company, a construction company hired by the convent to repair and maintain its building and grounds for the past 20 to 25 years, began bringing in clean soil and clay from its various excavations to deposit on

the landfill (Marchiori 1989; Marie 1989). The clay and soil applied to the landfill by J. S. Adams Company amounted to approximately 35 to 40 truckloads (Marchiori 1989).

In approximately 1983, the Northwest Water Commission (NWC), located in Des Plaines, Illinois, excavated the southern portion of the landfill in order to install water lines (Marie 1989; Sturgell 1989a). The water lines, which currently run from the Evanston water plant west to Palatine and north to Buffalo Grove, were installed at a depth of 6 feet (Sturgell 1989a). A cathodic testing station, installed to insure that the water lines are not corroded by soils, is located at the landfill (Sturgell 1989). The installation of this testing station is not specific to the Golf and River Landfill site, but is a standard procedure with all water lines (Sturgell 1989). In 1986, the Des Plaines River flooded the site and destroyed a retreat center building located west of the landfill (Machalski 1989; Marie 1989).

Since the landfill was closed and covered in 1970, apparently under the supervision of IEPA and/or IDPH, there have been no other state regulatory response activities at the site.

3. SCREENING SITE INSPECTION PROCEDURES AND FIELD OBSERVATIONS

3.1 INTRODUCTION

This section outlines procedures and observations of the SSI of the Golf and River Landfill site. Individual subsections address the site representative interviews, reconnaissance inspection, and sampling procedures. Rationales for specific FIT activities are also provided. The SSI was conducted in accordance with the U.S. EPA-approved work plan.

The U.S. EPA Potential Hazardous Waste Site Inspection Report (Form 2070-13) for the Golf and River Landfill site is provided in Appendix B.

3.2 SITE REPRESENTATIVE INTERVIEWS

Andrea L. Davis, FIT team leader, conducted a telephone interview with Sister Janet Marie, treasurer of The Sisters of the Holy Family of Nazareth Convent, on March 29, 1989, at approximately 10:30 a.m. The interview was conducted to gather information that would aid FIT in conducting SSI activities. Sister Janet Marie was also briefly interviewed at the convent before the reconnaissance inspection on April 4, 1989. Michael McAteer of FIT was also present at this time.

3.3 RECONNAISSANCE INSPECTION

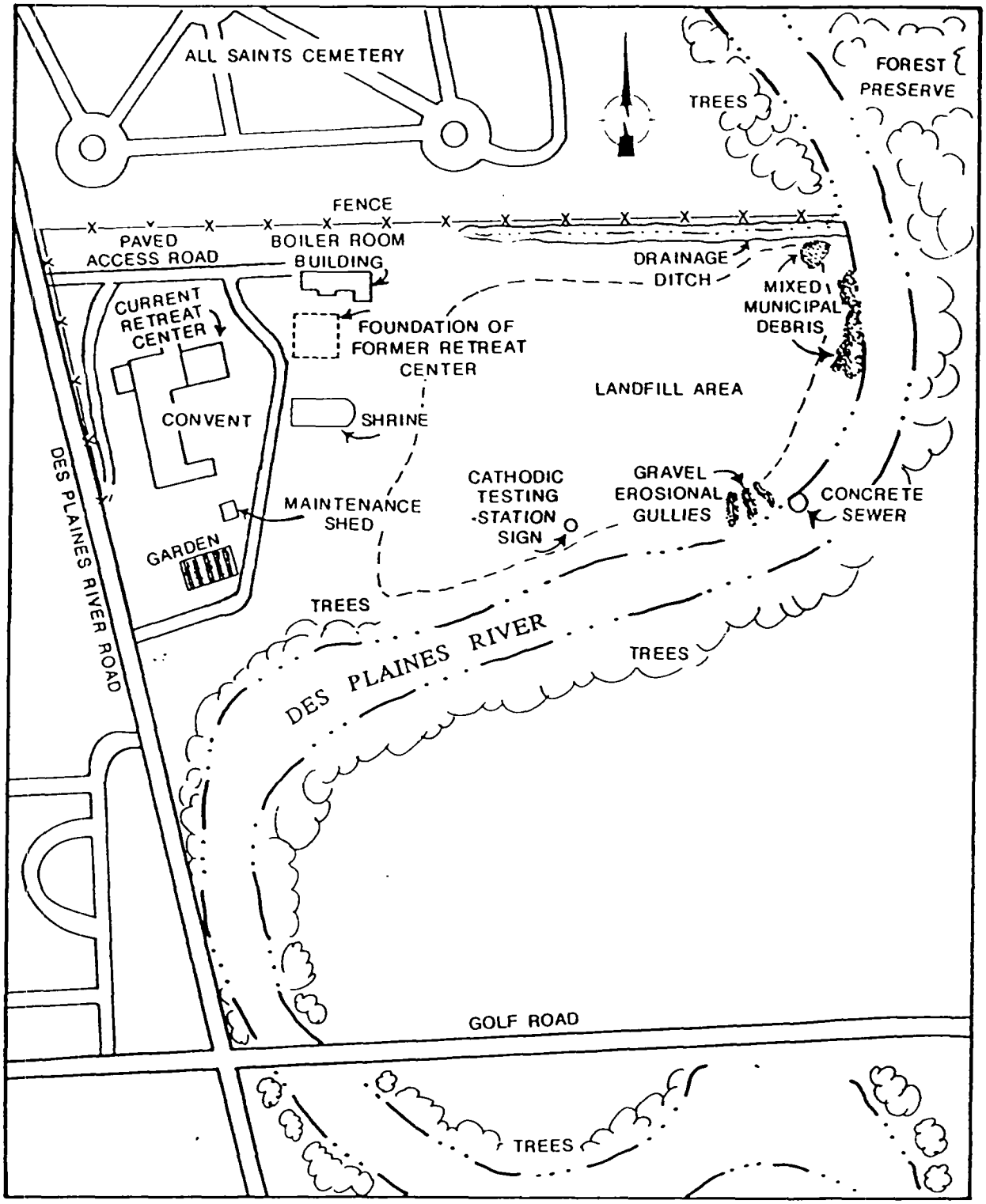
FIT conducted a reconnaissance inspection of the Golf and River Landfill site on April 4, 1989, at approximately 10:15 a.m. in accordance with Ecology and Environment, Inc. (E & E), health and safety guidelines. The reconnaissance inspection included a walk-through of the site to determine appropriate health and safety requirements for

conducting on-site activities and to make observations to aid in characterizing the site. Mitch Levin of IEPA accompanied FIT on the reconnaissance inspection from approximately 10:15 to 11:00 a.m. Site representatives did not accompany FIT during the reconnaissance inspection.

Reconnaissance Inspection Observations. The area surrounding the site is of even topographical relief, except along the Des Plaines River, where the ground surface slopes down approximately 30 feet from the top of the landfill to the river. The river borders the site on its southern and eastern sides (see Figure 3-1 for site features). Trees and shrubs were observed growing along the river banks, which were relatively steep. The Des Plaines river is slow moving and turbid.

Evidence of beavers was observed on trees along the river banks. Canada geese were also observed on the landfill. According to Sister Janet Marie, both deer and groundhogs have been observed on the landfill in the past (Marie 1989).

The area to the northeast of the site, beyond the Des Plaines River, is designated as forest preserve. All Saints Cemetery borders the site to the north, and the buildings that make up The Sisters of the Holy Family of Nazareth Convent are located to the west of the site. A drainage ditch, approximately 3 feet deep, runs along the site's northern border. The ditch appears to drain into the Des Plaines River. At the time of the SSI, the ditch was filled with approximately 6 inches of water. The landfill, which was covered with grass and appeared to have been recently mowed, slopes gradually down toward the convent building on its western side. The convent buildings include a convent and attached retreat center, a shrine, a maintenance shed, and a boiler room building. FIT also observed the dirt foundation of the former retreat center to the east of the convent buildings. The convent's current retreat center and the landfill are separated by a paved access road that completely surrounds the convent building. In the northeastern corner and along the eastern bank of the landfill, FIT observed mixed municipal debris including plastic containers, tires, pipes, chairs, buggies, and metal drums marked "Department of Civil Defense." Areas on top of the landfill were slightly eroded. Because of the season, FIT could not determine whether stressed vegetation was present in the



SOURCE: Ecology and Environment, Inc. 1989.

SCALE

0 500 1,000 1,500 FEET

FIGURE 3-1 SITE FEATURES

landfill area. On the landfill's southeastern slope, a gravel area containing erosional gullies covers an area of approximately 30 square feet. On the southern portion of the landfill, a sign, indicating the location of the cathodic testing station, has been erected by NWC. The site is not surrounded by fencing and is accessible. Photographs of the Golf and River Landfill site are provided in Appendix C.

3.4 SAMPLING PROCEDURES

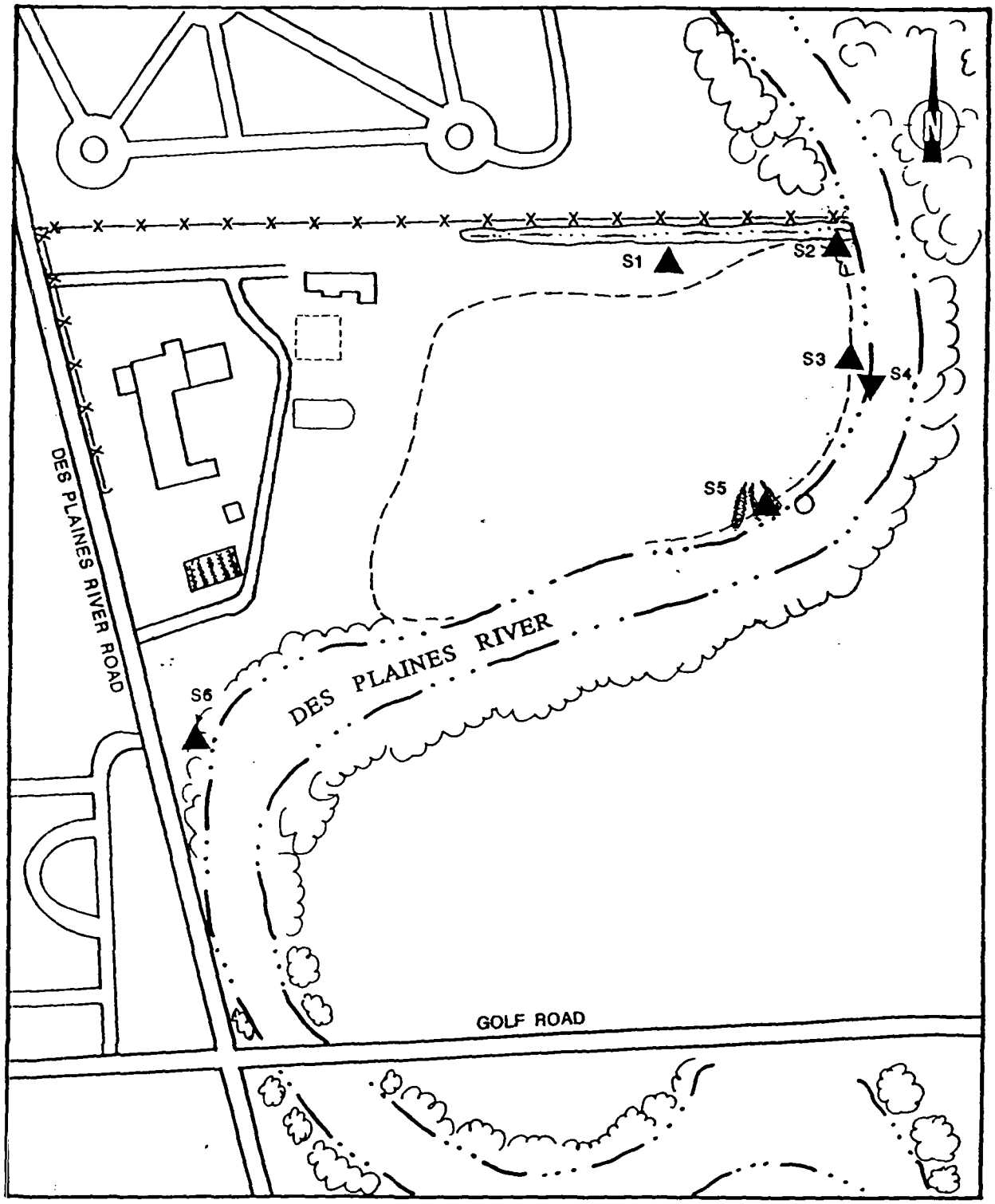
Samples were collected by FIT at locations selected during the reconnaissance inspection to determine whether U.S. EPA Target Compound List (TCL) compounds and U.S. EPA Target Analyte List (TAL) analytes were present at the site. The TCL and TAL, with corresponding quantitation/detection limits, are provided in Appendix D.

On April 4, 1989, FIT collected two surface and three subsurface soil/sediment samples from suspected areas of contamination and one subsurface background soil sample. Portions of each soil/sediment sample were offered to the site representative, but the offer was declined.

Soil/Sediment Sampling Procedures. Subsurface soil sample S1 was collected from the northern edge of the landfill near the drainage ditch that runs along the site's northern border (see Figure 3-2 for soil/sediment sampling locations). Sample S1 was collected at a depth of approximately 20 inches using a posthole digger. Soil sampling location S1 was chosen because of the possibility of surface water runoff from the landfill to the drainage ditch.

Surface soil sample S2 was collected in the northeastern corner of the landfill with a hand trowel at a depth of approximately 1 to 6 inches. Sample S2 was collected in an area where debris had been recently deposited. Subsurface soil sample S3 was collected from the eastern slope of the landfill, almost at the Des Plaines River. The sample was collected with a posthole digger at a depth of approximately 12 inches. Sampling location S3 was chosen because of the possibility of surface water runoff from the landfill migrating toward the river. The location was also chosen because of its proximity to some municipal debris, including medium-sized plastic and metal containers.

Sediment sample S4 was collected at the edge of the Des Plaines River, along the eastern edge of the landfill. Sample S4 was collected



SOURCE: Ecology and Environment, Inc. 1989.

SCALE

0 500 1,000 1,500 FEET

LEGEND

▲ SOIL SAMPLE ▼ SEDIMENT SAMPLE

FIGURE 3-2 SOIL/SEDIMENT SAMPLING LOCATIONS

with a posthole digger at a depth of approximately 12 inches. Sampling location S4 was chosen because of the possibility that contamination from the landfill had migrated, via surface water runoff, into the Des Plaines River and had accumulated in river sediments.

Surface soil sample S5 was collected from an erosional gully on the southeastern edge of the landfill that led from the landfill to the bank of the Des Plaines River. The sample was collected with a hand trowel, at a depth of approximately 1 to 6 inches, from the end of the erosional gully.

A background soil sample (indicated as S6) was collected from a grassy area near some trees on the southwestern portion of the convent property. Subsurface soil sample S6 was collected with a posthole digger at a depth of approximately 12 inches. The background sample was collected from an area that appeared to be relatively undisturbed, in order to determine the representative chemical content of the soil in the area surrounding the site.

The soil/sediment from each surface soil sampling location was mixed together with the hand trowel in the hole from which it was collected so that a homogenous, representative sample could be obtained. Sample material was then transferred to sample bottles using the hand trowel. The volatile organic portion of each sample was transferred directly to a sample bottle, packaged, and sealed, without mixing (E & E 1987).

Subsurface soil samples were transferred from the hole to a stainless steel bowl. Sample material was mixed together, then transferred directly to sample bottles (E & E 1987).

Standard E & E decontamination procedures were adhered to during the collection of all soil/sediment samples. The procedures included the scrubbing of all equipment (e.g., posthole diggers, trowels, and bowls) with a solution of Alconox detergent and distilled water, and triple-rinsing the equipment with distilled water before the collection of each sample (E & E 1987). All soil/sediment samples were packaged and shipped in accordance with U.S. EPA-required procedures.

As directed by U.S. EPA, all soil/sediment samples were analyzed under the U.S. EPA Contract Laboratory Program (CLP) for TCL compounds

by Environmental Control Technology of Ann Arbor, Michigan, and for TAL analytes by Skinner and Sherman, Inc., of Waltham, Massachusetts.

4. ANALYTICAL RESULTS

4.1 INTRODUCTION

This section presents results of chemical analysis of FIT-collected soil/sediment samples for TCL compounds and TAL analytes.

4.2 RESULTS OF CHEMICAL ANALYSIS OF FIT-COLLECTED SAMPLES

Chemical analysis of FIT-collected soil/sediment samples revealed substances from the following groups of TCL compounds: polyaromatic hydrocarbons (PAHs), aromatics, pesticides, and common laboratory artifacts. Chemical analysis of FIT-collected soil/sediment samples also revealed the presence of TAL analytes, including heavy metals, metals, and soil and sediment constituents common to the area (see Table 4-1 for complete chemical analysis results of FIT-collected soil/sediment samples).

U.S. EPA quantitation/detection limits used in the analysis of FIT-collected soil/sediment samples are provided in Appendix D.

Table 4-1
RESULTS OF CHEMICAL ANALYSIS OF
FIT-COLLECTED SOIL/SEDIMENT SAMPLES

Sample Collection Information and Parameters	Sample Number S1	S2	S3	S4	S5	S6
Date	4/4/89	4/4/89	4/4/89	4/4/89	4/4/89	4/4/89
Time	1125	1135	1215	1230	1305	1345
CLP Organic Traffic Report Number	EDB52	EDB53	EDB54	EDB55	EDB56	EDB57
CLP Inorganic Traffic Report Number	MECZ00	MECZ01	MECZ02	MECZ03	MECZ04	MECZ05
Compound Detected (values in µg/kg)						
Volatile Organics						
acetone	--	--	--	18J	--	--
4-methyl-2-pentanone	--	--	--	7J	--	--
toluene	8	20	6J	--	29	6J
xylenes (total)	--	--	6J	--	--	--
Semivolatile Organics						
naphthalene	--	--	--	--	160J	--
2-methylnaphthalene	--	--	--	--	180J	--
acenaphthene	--	110J	--	--	200J	--
dibenzofuran	--	--	--	--	250J	--
fluorene	--	120J	--	--	400J	--
phenanthrene	--	1,400	150J	360J	2,100	--
anthracene	--	370J	--	--	720J	--
fluoranthene	--	2,700	320J	990J	2,100	--
pyrene	--	2,200	260J	710J	1,800	--
benzo[a]anthracene	--	1,400	130J	430J	950	--
chrysene	--	1,600	200J	410J	800	--
di-n-octylphthalate	--	--	110J	--	--	--
benzo[b]fluoranthene	--	1,900	260J	1,100J	980	--
benzo[a]pyrene	--	1,100	130J	380J	550J	--
indeno[1,2,3-cd]pyrene	--	1,000	160J	530J	410J	--

Table 4-1 (Cont.)

Sample Collection Information and Parameters	Sample Number S1	S2	S3	S4	S5	S6
Semivolatile Organics						
dibenzo[a,h]anthracene	--	260J	--	130J	93J	--
benzo[g,h,i]perylene	--	930	160J	550J	330J	--
Pesticides/PCBs						
Endosulfan I	--	--	2.2JX	--	--	--
4,4'-DDE	--	--	37JX	--	--	--
4,4'-DDT	--	7.7JX	43JX	--	--	--
Analyte Detected (values in mg/kg)						
aluminum	5,440	14,000	6,540	8,160	10,500	7,180
arsenic	5.9	8.6	4.4	6.6	7.1	5.8
barium	32.9B	94.2	55.5	65.5	60.9	73.4
beryllium	0.38B	1.3	0.43B	0.52B	1.2	0.45B
calcium	23,400	21,000	25,000	30,200	44,500	2,650
chromium	16.2	21.9	12.1	20.8	16.3	10.7
cobalt	7.1B	10.8B	6.3B	7B	12.2	10.7B
copper	14.5	28.7	22.7	34.1	28.7	19.3
iron	14,900	23,800	15,100	16,500	20,800	14,000
lead	11.7	30.5	35.3	60.7	15.8	30.7
magnesium	14,800	14,000	14,700	18,400	24,600	2,260
manganese	824	495	558	342	449	639
nickel	13.1	30.1	14	17	27.5	13.4
potassium	482B	2,070	1,160B	1,740	2,060	1,040B
sodium	61.2B	72.7B	70.8B	273B	116B	59.2B
vanadium	14.1	25.2	13.8	14.6B	19.6	16.7
zinc	41.6JE	74.1JE	77.3JE	116JE	52.5JE	59.2JE

-- Not detected.

Table 4-1 (Cont.)

COMPOUND QUALIFIERS	DEFINITION	INTERPRETATION
J	Indicates an estimated value.	Compound value may be semiquantitative.
X	Denotes manually entered data.	

ANALYTE QUALIFIERS	DEFINITION	INTERPRETATION
E	Estimated or not reported due to interference. See laboratory narrative.	Analyte or element was not detected, or value may be semiquantitative.
B	Value is real, but is above instrument DL and below CRDL.	Value may be quantitative or semi-quantitative.
J	Value is above CRDL and is an estimated value because of a QC protocol.	Value may be semiquantitative.

5. DISCUSSION OF MIGRATION PATHWAYS

5.1 INTRODUCTION

This section contains a discussion of data and information that apply to potential migration pathways and targets of TCL compounds and TAL analytes that may be attributable to the Golf and River Landfill site.

The five migration pathways of concern discussed are groundwater, surface water, air, fire and explosion, and direct contact.

5.2 GROUNDWATER

The geology in the vicinity of the Golf and River Landfill site is characterized by various layers of glacial drift that overlie the Des Plaines Disturbance, an area of intense faulting within the bedrock (Willman 1971).

The Des Plaines Disturbance encompasses an area approximately 5 1/2 miles in diameter (Willman 1971). The Golf and River Landfill site is located slightly to the northwest of the center of the Des Plaines Disturbance (Willman 1971).

The glacial drift varies in thickness from approximately 125 to 280 feet in the vicinity of the Des Plaines Disturbance. The glacial drift consists of clayey till deposits with low permeabilities that overlie relatively thin sand and gravel outwash deposits. Existing well logs indicate the presence of a clay, combination clay/gravel, or sandy clay layer above the sand/gravel layer. One of the well logs indicates the presence of sand/gravel layers both above and below the clay/gravel layer. The clay containing layer is between 90 and 157 feet thick,

depending on location. Surficial deposits in the immediate vicinity of the site are primarily postglacial valley train deposits of the Des Plaines River (Walter H. Flood and Company, Inc. no date; Willman 1971).

Drinking water is obtained from gravel, limestone, and shale in the vicinity of the site (well logs of the area are provided in Appendix E). According to area well logs, the aquifer of concern is located at a depth of 124 feet. Because sand and gravel deposits directly overlie bedrock, the sand and gravel and bedrock aquifers are assumed to be hydraulically connected and constitute a single aquifer of concern (Walter H. Flood and Company, Inc. no date). Hydraulic connection of the bedrock aquifer is likely near the site because bedrock aquicludes in the area of the Des Plaines Disturbance potentially are not continuous.

In an area approximately 5/8 miles north of the site, where Silurian dolomite is the uppermost bedrock unit, groundwater flow direction is toward the east (Walter H. Flood and Company, Inc. no date). In the area of the site, however, the uppermost bedrock unit is believed to be Mississippian (Willman 1971). Because of the complex stratigraphy in the area of the Des Plaines Disturbance, groundwater flow may be highly variable. Any aquifer below the glacial till should be considered the aquifer of concern.

In accordance with the U.S. EPA-approved work plan, FIT did not collect groundwater samples during the SSI. The closest well to the Golf and River Landfill site is located 3/4 miles east of the site in an unincorporated area.

A potential exists for TCL compounds and TAL analytes detected on-site to migrate to groundwater in the vicinity of the site, based on the following information:

- Previous file information does not indicate the presence of a man-made liner at the site; and

- TCL compounds and TAL analytes were detected in on-site soils at depths of 1 to 6 inches.

However, the potential for TCL compounds and TAL analytes to migrate to the aquifer of concern in the vicinity of the site is low, based on the following geological information:

- The site is situated in a floodplain, near a bank of the Des Plaines River, so that shallow groundwater flow would likely be toward the river; and

- A low-permeability, clayey till unit between 90 and 157 feet thick lies between the landfill and the aquifer of concern.

Portions of six cities fall within a 3-mile radius of the Golf and River Landfill site (United States Geological Survey [USGS] 1963). These cities are Des Plaines, Glenview, Mount Prospect, Niles, Park Ridge, and Prospect Heights. Unincorporated areas are also located to the north, east, and southeast of the site. Of these, only Mount Prospect, Prospect Heights, and parts of the unincorporated areas obtain drinking water from private and/or municipal wells screened in the aquifer of concern at depths between approximately 100 and 400 feet. Within Mount Prospect, approximately eight private residential wells are in use within a 3-mile radius of the site (McIntosh 1989). These eight wells were multiplied by the persons-per-household average for Cook County (2.75) to obtain a total of 22 persons who are served by groundwater in Mount Prospect.

Within Prospect Heights, approximately 1,944 persons obtain drinking water from the Rob Roy municipal well system. This figure was obtained by multiplying the 2.75 persons-per-household average for Cook County by the approximately 707 homes served by this municipal well system (Dobner 1989). Added to this was a house count, obtained from USGS topographic maps, of the number of private residential wells in Prospect Heights (USGS 1963) (150) multiplied by the 2.75 persons-per-household average for Cook County (U.S. Bureau of the Census 1982), for a total of 2,357 persons served by groundwater in Prospect Heights.

Within the unincorporated areas, 12 persons are served by a shallow (approximately 250 feet) well at the Villa Redeemer Monastery (Benson

1989). Also included in the groundwater target population for the unincorporated areas are 113 persons obtaining groundwater from private residential wells. This figure was derived from a USGS house count of the unincorporated areas (USGS 1963) (41) multiplied by the 2.75 persons-per-house average for Cook County (U.S. Bureau of the Census 1982). The total groundwater target population for the unincorporated areas within a 3-mile radius of the site is 125 people. A total of approximately 2,504 persons are served by groundwater within a 3-mile radius of the Golf and River Landfill site.

5.3 SURFACE WATER

FIT did not sample surface water at the SSI stage, but a potential does exist for TCL compounds and TAL analytes to migrate to surface water, based on the following information:

- The Golf and River Landfill is bordered on its eastern and southern sides by the Des Plaines River;
- The landfill is susceptible to flooding by the Des Plaines River every spring and/or fall (Marie 1989);
- Although 24 inches of cover material was applied to the landfill at closure, the nature of the cover material is unknown and, according to J. S. Adams Company, erosion of the material was occurring 2 to 3 years later (Marchiori 1989); and
- Although 35 to 40 truckloads of clean earth and clay material were reported to have been applied to the landfill 2 to 3 years after closure, it is unknown whether this amount was sufficient to cap the landfill and prevent future runoff (Marchiori 1989).

FIT did not sample surface water at the SSI stage. Because other industry is present along the river, attribution of potential contami-

nation of the Des Plaines River to the Golf and River Landfill site would be difficult.

The Des Plaines River is used for fishing and canoeing, although recreational use is rare in the area of the landfill (Marie 1989; Rockford Map Publishers 1983).

5.4 AIR

A release of potential contaminants to the air was not documented during the SSI of the Golf and River Landfill site. During the reconnaissance inspection, FIT site-entry instruments (OVA 128, hydrogen cyanide detector, and explosimeter) did not detect levels above background concentrations at the site. In accordance with the U.S. EPA-approved work plan, further air monitoring was not conducted by FIT.

The potential for windblown particulates to carry contaminants from the site is very low because the site is covered by vegetation.

5.5 FIRE AND EXPLOSION

During the reconnaissance inspection, FIT site-entry instruments (explosimeter) did not indicate explosive conditions at the Golf and River Landfill site. According to Mark Hansen, an inspector with the Fire Prevention Bureau of the Des Plaines Fire Department, no response activities have taken place and no fire or explosion threat currently exists at the site (Hansen 1989).

5.6 DIRECT CONTACT

According to federal, state, and local file information reviewed by FIT, there is no documentation for an incident of direct contact with TCL compounds or TAL analytes at the Golf and River Landfill site.

There is a potential that the public may come into direct contact with TCL compounds and TAL analytes detected at the Golf and River Landfill site, based on the following information:

- The perimeter of the site is unfenced and the site is accessible; and

- TCL compounds (including PAHs) and TAL analytes were detected in on-site soils at depths of 1 to 6 inches.

The population within a 1-mile radius of the site is approximately 3,262 persons. This figure includes the 60 year-round residents of The Sisters of the Holy Family of Nazareth Convent, the 180 year-round residents of Maryville Academy, and the 5% of the population of Des Plaines that falls within a 1-mile radius of the site. The figure also includes those persons outside the corporate boundaries of Des Plaines but within the 1-mile radius; calculated by multiplying house counts from USGS topographic maps (USGS 1963) by the 2.75 persons-per-household average for Cook County (U.S. Bureau of the Census 1982).

6. REFERENCES

Benson, Curtis, July 12, 1989, Assistant Hydrologist, Illinois Water Survey, telephone conversation, contacted by Andrea L. Davis of E & E.

De Boer, Edward, May 1, 1970, Owner, Sanitary Improvement Company, Rosemont, Illinois, letter, to H. A. Frederick, Division of Sanitary Engineering, IDPH, Re: the cessation of operations at the Golf and River Landfill site and the final leveling and grading process at the site.

Dobner, Duane, July 19, 1989, Water Supervisor, Prospect Heights Public Works, telephone conversation, contacted by Andrea L. Davis of E & E.

E & E, 1987, Quality Assurance Project Plan Region V FIT Conducted Site Inspections, Chicago, Illinois.

Hansen, Mark, July 20, 1989, Inspector, Fire Prevention Bureau, Des Plaines, Illinois, Fire Department, telephone conversation, contacted by Andrea L. Davis of E & E.

IDPH, May 16, 1966, Refuse Disposal Site Survey, for Sanitary Improvement Company, Golf and River Landfill site, prepared by John Malusars.

_____, July 28, 1969, Application For Registration of Refuse Disposal Site or Facility, IDPH, Division of Sanitary Engineering, for the Golf and River Landfill site, completed by Edward De Boer of Sanitary Improvement Company.

IEPA, August 29, 1969, Solid Waste Disposal, Field Inspection Report, of the Golf and River Landfill site, inspected by Plesniak, northeast regional office.

_____, December 10, 1970, Klassen, C. W., Director, IEPA, letter, to Sanitary Improvement Company, concerning a November 24, 1970, inspection of the Golf and River Landfill site.

_____, January 28, 1987, Potential Hazardous Waste Site Preliminary Assessment, for the Golf and River Landfill site, Des Plaines, Illinois, U.S. EPA ID: ILD980612717, prepared by Gregory W. Dunn.

Rockford Map Publishers, 1983, Illinois Travel and Recreation Guide, Rockford, Illinois.

Machalski, Sister Rose Marie, August 15, 1989, Treasurer, The Sisters of the Holy Family of Nazareth Convent, telephone conversation, contacted by Andrea L. Davis of E & E.

Marchiori, Lee, August 15, 1989, President, J. S. Adams Company, telephone conversation, contacted by Andrea L. Davis of E & E.

Marie, Sister Janet, March 29, 1989, Treasurer, The Sisters of the Holy Family of Nazareth Convent, telephone interview, contacted by Andrea L. Davis of E & E.

McIntosh, Jerry, July 18, 1989, Water Superintendent, Mount Prospect Public Works, telephone conversation, contacted by Andrea L. Davis of E & E.

Sturgell, Stephen, May 23, 1989, Executive Director, NCW, telephone conversation, contacted by Andrea L. Davis of E & E.

_____, August 15, 1989a, Executive Director, NCW, telephone conversation, contacted by Andrea L. Davis of E & E.

U.S. EPA, June 8, 1981, Notification of Hazardous Waste Site, for Golf and River Landfill, U.S. EPA ID: ILD980612717, signed by Jack Lanenga, General Manager, Sanitary Improvement Company, Rosemont, Illinois.

_____, June 8, 1981a, Notification of Hazardous Waste Site, for Golf and River Landfill, U.S. EPA ID: ILD980612717, signed by Jack Lanenga, for Arc Disposal Company, Inc., Rosemont, Illinois.

_____, February 12, 1988, Office of Solid Waste and Emergency Response, Pre-Remedial Strategy for Implementing SARA, Directive number 9345.2-01, Washington, D.C.

Walter H. Flood and Company, Inc., no date, Report: #7305-0066-1.

Willman, H. B., 1971, Summary of the Geology of the Chicago Area, Circular 460, Illinois State Geological Survey, Urbana, Illinois.

U.S. Bureau of the Census, 1982, 1980 Census of Population, Volume I, Characteristics of the Population, Illinois.

USGS, 1963, Arlington Heights; 1963 Park Ridge, Illinois Quadrangles, 7.5 Minute Series: 1:24,000, photorevised 1973.

3845:6

APPENDIX A

SITE 4-MILE RADIUS MAP

SDMS US EPA Region V

Imagery Insert Form

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Appendix A - Site 4-Mile Radius Map

☐ **Other:**

APPENDIX B

U.S. EPA FORM 2070-13

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612717

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
GOIF AND RIVER LANDFILL	353 N. RIVER Rd. 60016				
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**
DES PLAINES	IL	60016	COOK	031	IL-12

09 COORDINATES LATITUDE 42 03 20.0 | LONGITUDE 87 52 10.0

10 TYPE OF OWNERSHIP (Check one)
■ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION: 4, 4, 89 (MONTH DAY YEAR)

02 SITE STATUS: ☐ ACTIVE ■ INACTIVE

03 YEARS OF OPERATION: ~1955 (BEGINNING YEAR) | 1969 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ■ B. EPA CONTRACTOR Ecology & Environment, Inc. (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
ANDREA L. DAVIS	GEOGRAPHER	E&E/FIT	(312)663-9415
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
MIKE MCATEER	GEOGRAPHER	E&E/FIT	(312)663-9415
MIKE FEITES	NATURAL RESOURCE MANAGER	E&E/FIT	(312)663-9415
JOHN NORDINE	GEOLOGIST	E&E/FIT	(312)663-9415
			( )
MITCH LEVIN	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, MAYWOOD		(312)345-9780
13 SITE REPRESENTATIVES INTERVIEWED	**14 TITLE**	**15 ADDRESS**	**16 TELEPHONE NO**
SISTER JANET MARIE	Treasurer	353 N. River Rd.	(312)298-6760
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	~900 (ARRIVAL)	Partly Sunny and hazy; Light SW wind; changing to 20-25 mph gusty winds - Around 1215 turning cloudy with T-Storms, hail ~15 min; Then Sunny.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
TOM CRAUSE	ILLINOIS Environmental Protection Agency - Springfield	(217) 782-9848

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
ANDREA L. DAVIS	U.S. EPA	E&E/FIT	(312)663-9415	6, 5, 89 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	IL0980612717

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ■ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER Unknown (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS Unknown
NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ■ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ■ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			Waste characteristics detected in On-Site Soil Samples collected by the FIT 4-4-89.
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES	Unknown		
OCC	OTHER ORGANIC CHEMICALS	Unknown		
IOC	INORGANIC CHEMICALS	Unknown		
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	Unknown		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	SEE Narrative TABLE, SECTION 4.2.				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS	Unknown		FDS	Unknown	
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

FIT Site Inspection 4-4-89.
FIT Files - Region V.

EPA FORM 2070-13(7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: IL	02 SITE NUMBER: ILD980612717

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,504 — 04 NARRATIVE DESCRIPTION
(3-mile radius Screened in The Aquifer of Concern).
SEE SECTION 5.2

01 ■ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
SEE SECTION 5.3

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
POTENTIAL IS LOW TO NONE.
SEE SECTION 5.4

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
SEE SECTION 5.5

01 ■ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~3,262 (1-mile radius) — 04 NARRATIVE DESCRIPTION
SEE SECTION 5.6

01 ■ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: 4-4-89) ■ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ~20 Acres (Acres) — 04 NARRATIVE DESCRIPTION
SEE SECTION 4.2
Contamination found at 1-6 inches in Surface Soils.

01 ■ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,504 — 04 NARRATIVE DESCRIPTION
(on 3-mile radius groundwater, Screened in The Aquifer of Concern).
SEE SECTION 5.2

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
NONE Observed or reported.

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
NONE Observed or reported.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	IL0980612717

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ■ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 3.3
BECAUSE of the month (early April) FIT could not observe if vegetation was stressed.

01 ■ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

SEE SECTION 3.3

01 ■ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

POTENTIAL IS LOW TO NONE.

01 ■ M. UNSTABLE CONTAINMENT OF WASTES — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
(Spills, Runoff, Standing liquids, Leaking drums)
03 POPULATION POTENTIALLY AFFECTED: Unknown — 04 NARRATIVE DESCRIPTION

File information does not indicate the presence of a man-made liner. SEE SECTION 5.2.

01 ■ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Des Plaines River could be impacted by on-site contamination.

01 ■ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Several Sewer-Like Structures on-site, including a drainage ditch, SEE APPENDIX C. Northwest Water Commission has water lines running through the landfill. SEE SECTION 2.3.

01 ■ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ■ OBSERVED (DATE: 4-4-89) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Mixed municipal debris observed at the time of the SSI. SEE SECTION 3.3.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

SEE SECTION 2.3 ON water lines running through the landfill from the Northwest Water Commission.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 3-mile radius on Groundwater: 2,504

IV. COMMENTS

1-mile radius of ~3,262 is also potentially affected for the Direct Contact pathway.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT Files - Region V.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612777

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				EDWARD DeBOER, President of
☐ E. RCRA INTERIM STATUS				Sanitary Improvement,
☐ F. SPCC PLAN		Filed ON:		Co., Filed an Application
■ G. STATE (Specify)	NONE/	7-28-69		for Registration of Refuse
☐ H. LOCAL (Specify)	Unknown			Disposal Site or Facility
☐ I. OTHER (Specify)				with The Illinois Depart-
☐ J. NONE				ment of Public Health,
				(IDPH).

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
■ F. LANDFILL	20 Acres X	30 feet deep
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ■ H. OTHER (Specify) 24" of Unknown final COVER/ 35-40 TRUCKLOADS MATERIAL / OF CLAY

05 OTHER
- 3 ■ A. BUILDINGS ON SITE
  - convent/garage
  - Boiler room
  - maintenance House

06 AREA OF SITE
~20 (Acres)

07 COMMENTS
A Final Cover of 24" of unknown material WAS laid down on The landfill for closure in 1970, indicated to BE Supervised by The IEPA and/or IDPH. The Cover IS indicated TO have been laid down by Sanitary Improvement, CO. 2-3 years After Closure, J.S. ADAMS laid down 35-40 truckloads of Clean earTh and CLAY material to Combat EROSION.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)
☐ A. ADEQUATE, SECURE ■ B. MODERATE/ Unknown ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.
File information does not indicate the presence of A man-made liner. The Site WAS in operation Since CIRCA 1955, when little to NO regulation existed.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ■ YES ☐ NO
02 COMMENTS
Contamination found in Surface Soils at 1-6 inches.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

E & E FIT FILES - Region V.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612717

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable): LAKE Michigan and

	SURFACE	WELL
COMMUNITY	A. ☐	B. ■
NON-COMMUNITY	C. ☐	D. ■

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ■
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE (CLOSEST)
A. 2.75 (mi)
B. 3/4 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)
☐ A. ONLY SOURCE FOR DRINKING ■ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: 2,504 (Aquifer of Concern)
03 DISTANCE TO NEAREST DRINKING WATER WELL: 3/4 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
~124 (ft)	EAST → SOUTHEAST	~124 (ft)	Unknown (gpd)	☐ YES ■ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)
SEE SECTION 5.2.

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ■ NO	COMMENTS: NA	■ YES ☐ NO	COMMENTS: The Des Plaines RIVER IS Potentially a discharge for Shallow groundwater flow.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)
■ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
DES PLAINES RIVER	☐	Adjacent TO Site. (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. ~3,262 NO. OF PERSONS	B. ~32,639 NO. OF PERSONS	C. ~94,807 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: On-Site (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: ~11,869
04 DISTANCE TO NEAREST OFF-SITE BUILDING: ~1/4 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)
SEE SECTION 5.2.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612712

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one) — CLAYS
☐ A. $10^{-6} - 10^{-8}$ cm/sec ■ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one) — SHALE / LIMESTONE
☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ■ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) / ■ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
~ 124 (ft)	Unknown (ft)	Unknown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
4.57 (in)	2.4 (in)	600 %	EAST → SOUTH	< 3 %

09 FLOOD POTENTIAL — SITE IS IN Unknown YEAR FLOODPLAIN

10 — NA ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)
ESTUARINE: A. NA (mi) OTHER: B. > 3 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)
0 (mi)
ENDANGERED SPECIES: NONE

13 LAND USE IN VICINITY
DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. < 1/2 (mi)	B. ON-SITE (mi)	C. NA (mi)	D. NA (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

SEE SECTION 3.3.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT FILES - Region V.
Site Inspection: 4-4-89.

EPA FORM 2070-13(7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD980612717

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO		03 ESTIMATED DATE RESULTS AVAILABLE
		ORGANIC	INORGANIC	
GROUNDWATER	NA			
SURFACE WATER	NA			
WASTE	NA			
AIR	NA			
RUNOFF	NA			
SPILL	NA			
SOIL	S1-S6	ENCOT OF ANN ARBOR, MI. 48108	SKINNER OF WALTHAM MA. 02254	AVAILABLE
VEGETATION	NA			
OTHER	NA			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA 128:	No detections in breathing Zone above Background (1ppm)
Explosimeter:	No readings.
Radiation Mini ALERT:	No detections.
Hydrogen CYANIDE MONITOR:	No detections.
OXYGEN METER:	No readings above or below 20.5%.

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ☐ AERIAL — 02 IN CUSTODY OF E & E - CHICAGO (Name of organization or individual)

03 MAPS ■ YES ☐ NO — 04 LOCATION OF MAPS: FIT FILES - E & E CHICAGO

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT FILES - REGION V.
FIT SITE INSPECTION: 4-4-89

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	IL0980612717

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER
SISTERS OF NAZARETH	NA

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
353 N. RIVER Rd.	NA

05 CITY	06 STATE	07 ZIP CODE
DES PLAINES	IL	60016

PARENT COMPANY (if applicable)

08 NAME	09 D+B NUMBER
NONE	

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

PARENT COMPANY (if applicable)

08 NAME	09 D+B NUMBER

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

PARENT COMPANY (if applicable)

08 NAME	09 D+B NUMBER

10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER
Unknown	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME	02 D+B NUMBER
NONE	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT FILES - REGION I.
SITE INSPECTION: 4-4-89
SITE INTERVIEW: 3-29-89

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - OPERATOR INFORMATION

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612717

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
NONE	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
Unknown	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME *	02 D+B NUMBER
SANITARY Improvement, CO.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
5859 N. RIVER Rd.	

05 CITY	06 STATE	07 ZIP CODE
ROSEMONT,	IL.	60018

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD ⊕
Unknown	ED De Boer owned Sanitary Improvement, Co.

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
Unknown	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E FIT FILES - REGION V.
SITE INTERVIEW: 3-29-89.

* NOW defUNCT (dissolved ~1970).
⊕ CHARLES HEARTT, operator.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: IL098Ø612717

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Unknown	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Unknown/			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
ASSUME Surrounding			
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
Communities			
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
* U.S. ADAMS Co.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
1250 E. GOLF RD.			
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
DES PLAINES / IL / 60016			

IV. TRANSPORTER(S) Previous:

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
⊕ ARC Disposal Co., Inc.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
5859 N. River Rd.			
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
ROSEMONT / IL / 60018			
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E FIT FILES - Region V.
Site Interview ; 3-29-89.

* Clean earth and clay materials from various excavations.
⊕ Information ON WASTES picked-up IS NOT AVAILABLE in file. File indicates Mixed-municipal WASTE, only.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612717

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ L. ENCAPSULATION 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION: NA	02 DATE	03 AGENCY

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	ILD980612717

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ■ S. CAPPING/COVERING — 02 DATE 1970 — 03 AGENCY IEPA and/or IDPH
04 DESCRIPTION Capped with 24" of final cover material. Material is unknown. Supervised closure.

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E FIT FILES - Region V.
Site Interview: 3-29-89.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	ILD980612717

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ■ YES □ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

In 1970, the landfill Stopped receiving refuse and on November 24, 1970, the Site WAS considered to have final Cover for closure, according to A letter written by C.W. KLASSen, Director of the IEPA. Cover consisted of 24" of unknown MAterial.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Preliminary ASSESSMent, 1987.
E&E FIT Files - Region V.

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	ILD980612717

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER				
GOLF AND RIVER LANDFILL	353 N. RIVER Rd. 60016				
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
DES PLAINES	IL	60016	COOK	031	IL-12

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
42 03 20.0	87 52 10.0	■ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
4, 4, 89 (MONTH DAY YEAR)	☐ ACTIVE ■ INACTIVE	~1955 (BEGINNING YEAR) 1969 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ■ B. EPA CONTRACTOR ECOLOGY & ENVIRONMENT, INC. (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
ANDREA L. DAVIS	GEOGRAPHER	E&E/FIT	(312)663-9415
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
MIKE MCATEER	GEOGRAPHER	E&E/FIT	(312)663-9415
MIKE FEITES	NATURAL RESOURCE MANAGER	E&E/FIT	(312)663-9415
JOHN NORDINE	GEOLOGIST	E&E/FIT	(312)663-9415
			( )
MITCH LEVIN	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, MAYWOOD		(312)345-9780

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
SISTER JANET MARIE	Treasurer	353 N. River Rd.	(312)298-6760
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	~900 (ARRIVAL)	Partly Sunny and hazy; Light SW wind; changing to 20-25 mph gusty winds - Around 1215 turning cloudy with T-Storms, hail ~15 min; Then Sunny.

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
TOM CRAUSE	ILLINOIS Environmental Protection Agency - SPRINGFIELD	(217)782-9848

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
ANDREA L. DAVIS	U.S. EPA	E&E/FIT	(312)663-9415	6, 5, 89 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD980612717

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ■ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ D. OTHER Unknown (Specify)
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS _____
- CUBIC YARDS Unknown
- NO. OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- ■ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ■ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			Waste characteristics detected in on-site soil samples collected by the FIT 4-4-89.
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES	Unknown		
OCC	OTHER ORGANIC CHEMICALS	Unknown		
IOC	INORGANIC CHEMICALS	Unknown		
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	Unknown		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	SEE Narrative TABLE, SECTION 4.2.				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS	Unknown		FDS	Unknown	
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

FIT Site Inspection 4-4-89.
FIT Files - Region V.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE: IL	02 SITE NUMBER: ILD980612717

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,504 — 04 NARRATIVE DESCRIPTION
(3-mile radius Screened in The Aquifer of Concern).
SEE SECTION 5.2

01 ■ B. SURFACE WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
SEE SECTION 5.3

01 ☐ C. CONTAMINATION OF AIR — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
POTENTIAL IS LOW TO NONE.
SEE SECTION 5.4

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
SEE SECTION 5.5

01 ■ E. DIRECT CONTACT — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ~3,262 (1-mile radius) — 04 NARRATIVE DESCRIPTION
SEE SECTION 5.6

01 ■ F. CONTAMINATION OF SOIL — 02 ☐ OBSERVED (DATE: 4-4-89) — ■ POTENTIAL — ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: ~20 Acres (Acres) — 04 NARRATIVE DESCRIPTION
SEE SECTION 4.2
Contamination found at 1-6 inches in Surface Soils.

01 ■ G. DRINKING WATER CONTAMINATION — 02 ☐ OBSERVED (DATE: _____) — ■ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 2,504 — 04 NARRATIVE DESCRIPTION
(On 3-mile radius groundwater, screened in The Aquifer of Concern).
SEE SECTION 5.2

01 ☐ H. WORKER EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
NONE Observed or reported.

01 ☐ I. POPULATION EXPOSURE/INJURY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 — 04 NARRATIVE DESCRIPTION
NONE Observed or reported.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612717

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ■ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

SEE SECTION 3.3
BECAUSE of the month (early April) FIT could not observe if vegetation was stressed.

01 ■ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

SEE SECTION 3.3

01 ■ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

POTENTIAL IS LOW to NONE.

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown — 04 NARRATIVE DESCRIPTION

File information does not indicate the presence of a man-made liner. SEE SECTION 5.2.

01 ■ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Des Plaines River could be impacted by on-site contamination.

01 ■ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Several sewer-like structures on-site, including a drainage ditch, SEE APPENDIX C. Northwest Water Commission has water lines running through the landfill. SEE SECTION 2.3.

01 ■ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ■ OBSERVED (DATE: 4-4-89) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Mixed municipal debris observed at the time of the SSI. SEE SECTION 3.3.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

SEE SECTION 2.3 ON water lines running through the landfill from the Northwest Water Commission.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 3-mile radius on Groundwater: 2,504

IV. COMMENTS

1-mile radius of ~3,262 is also potentially affected for the Direct Contact pathway.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT Files - Region V.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD980612747

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
☐ C. AIR				
☐ D. RCRA				EDWARD DeBOER, President of Sanitary Improvement, CO., Filed an Application for Registration of Refuse Disposal Site or Facility with the Illinois Department of Public Health, (IDPH).
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN		Filed on:		
■ G. STATE (Specify)	NONE/	7-28-69		
☐ H. LOCAL (Specify)	Unknown			
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
■ F. LANDFILL	20 Acres	X 30 feet deep
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)
- ☐ A. INCINERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ■ H. OTHER (Specify) 24" of Unknown final COVER/MATERIAL / 35-40 truckloads OF CLAY

05 OTHER
- 3 ■ A. BUILDINGS ON SITE
  - Content/garage
  - Boiler room
  - maintenance House

06 AREA OF SITE
~20 (Acres)

07 COMMENTS

A Final Cover of 24" of unknown material was laid down on the landfill for closure in 1970, indicated to be supervised by the IEPA and/or IDPH. The cover is indicated to have been laid down by Sanitary Improvement, Co. 2-3 years after closure, J.S. ADAMS laid down 35-40 truckloads of clean earth and clay material to combat erosion.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ■ B. MODERATE/Unknown ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

File information does not indicate the presence of a man-made liner. The site was in operation since circa 1955, when little to no regulation existed.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ■ YES ☐ NO

02 COMMENTS

Contamination found in surface soils at 1-6 inches.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

E & E FIT FILES - Region V.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD980612717

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable): Lake Michigan and

	SURFACE	WELL
COMMUNITY	A. ☐	B. ■
NON-COMMUNITY	C. ☐	D. ■

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ■
D. ☐	E. ☐	F. ☐

03 DISTANCE TO SITE (CLOSEST)
A. 2.75 (mi)
B. 3/4 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ■ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER: 2,504 (Aquifer of concern)

03 DISTANCE TO NEAREST DRINKING WATER WELL: 3/4 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
~124 (ft)	EAST → SOUTHEAST	~124 (ft)	Unknown (gpd)	☐ YES ■ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings)

SEE SECTION 5.2.

10 RECHARGE AREA		11 DISCHARGE AREA	
☐ YES ■ NO	COMMENTS: NA	■ YES ☐ NO	COMMENTS: The DES Plaines RIVER is Potentially a discharge for Shallow groundwater flow.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

■ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
DES PLAINES RIVER	☐	Adjacent to Site. (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. ~3,262 NO. OF PERSONS	B. ~32,639 NO. OF PERSONS	C. ~94,807 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION: on-site (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE	04 DISTANCE TO NEAREST OFF-SITE BUILDING
~11,869	~1/4 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, density, population of urban area)

SEE SECTION 5.2.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE: IL | 02 SITE NUMBER: ILD983612717

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one) — CLAYS

☐ A. $10^{-6} - 10^{-8}$ cm/sec ■ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one) — SHALE / LIMESTONE

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ■ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) / ■ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
~ 124 (ft)	Unknown (ft)	unknown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
4.57 (in)	2.4 (in)	600 %	EAST → SOUTH	< 3 %

09 FLOOD POTENTIAL — SITE IS IN Unknown YEAR FLOODPLAIN

10 — NA ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. NA (mi)	B. > 3 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

0 (mi)

ENDANGERED SPECIES: NONE

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. < 1/2 (mi)	B. ON-SITE (mi)	C. NA (mi)	D. NA (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

SEE SECTION 3.3.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT FILES - Region V.
Site Inspection: 4-4-89.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	ILD980612717

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO		03 ESTIMATED DATE RESULTS AVAILABLE
		ORGANIC	INORGANIC	
GROUNDWATER	NA			
SURFACE WATER	NA			
WASTE	NA			
AIR	NA			
RUNOFF	NA			
SPILL	NA			
SOIL	S1-S6	ENCOT OF ANN ARBOR, MI. 48108	SKINNER OF WALTHAM, MA. 02254	AVAILABLE
VEGETATION	NA			
OTHER	NA			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
OVA 128:	No detections in breathing zone above Background (1ppm)
Explosimeter:	No readings.
Radiation Mini Alert:	No detections.
Hydrogen Cyanide Monitor:	No detections.
Oxygen Meter:	No readings above or below 20.5 %.

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ☐ AERIAL

02 IN CUSTODY OF E & E - CHICAGO (Name of organization or individual)

03 MAPS ■ YES ☐ NO

04 LOCATION OF MAPS: FIT FILES - E & E CHICAGO

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

NONE

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E FIT FILES - REGION II.
FIT SITE INSPECTION: 4-4-89

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD980612717

II. CURRENT OWNER(S)

PARENT COMPANY (if applicable)

01 NAME SISTERS OF NAZARETH		02 D+B NUMBER NA		08 NAME NONE		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 353 N. RIVER Rd.		04 SIC CODE NA		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY DES PlAINES	06 STATE IL	07 ZIP CODE 60016		12 CITY	13 STATE	14 ZIP CODE	
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		12 CITY	13 STATE	14 ZIP CODE	
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		12 CITY	13 STATE	14 ZIP CODE	
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY	06 STATE	07 ZIP CODE		12 CITY	13 STATE	14 ZIP CODE	

III. PREVIOUS OWNER(S) (List most recent first)

IV. REALTY OWNER(S) (if applicable; list most recent first)

01 NAME Unknown		02 D+B NUMBER	01 NAME NONE		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER	01 NAME		02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E FIT FILES - REGION V.
SITE INSPECTION : 4-4-89
SITE INTERVIEW : 3-29-89

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	IL0980612717

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
NONE	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
Unknown	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME *	02 D+B NUMBER
SANITARY Improvement, CO.	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
5859 N. RIVER Rd.	

05 CITY	06 STATE	07 ZIP CODE
ROSEMONT,	IL.	60018

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD ⊕
Unknown	ED De Boer owned Sanitary Improvement, Co.

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
Unknown	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E FIT FILES - REGION V.
SITE INTERVIEW: 3-29-89.

* NOW defUNCT (dissolved ~1970).
⊕ CHARLES HEART, operator.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: IL0980612717

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
Unknown	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Unknown/			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
ASSUME Surrounding			
05 CITY: Communities	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME *	02 D+B NUMBER	01 NAME	02 D+B NUMBER
J.S. ADAMS Co.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
1250 E. GOLF RD.			
05 CITY: DES PLAINES	06 STATE: IL / 07 ZIP CODE: 60016	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S) PREVIOUS:

01 NAME ⊕	02 D+B NUMBER	01 NAME	02 D+B NUMBER
ARC DISPOSAL CO., INC.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
5859 N. RIVER Rd.			
05 CITY: ROSEMONT	06 STATE: IL / 07 ZIP CODE: 60018	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E+E FIT FILES - Region V.
Site Interview : 3-29-89.

* Clean earth and clay materials from various excavations.
⊕ Information ON WASTES picked-up IS NOT AVAILABLE in file. File indicates Mixed-municipal WASTE, only.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	ILD980612717

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ L. ENCAPSULATION 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION: NA	02 DATE	03 AGENCY
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION: NA	02 DATE	03 AGENCY

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: ILD980612717

II. PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ■ S. CAPPING/COVERING — 02 DATE 1970 — 03 AGENCY IEPA and/or IDPH
04 DESCRIPTION: Capped with 24" of final cover material. Material is unknown. Supervised closure.

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: NA

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E FIT FILES - Region V.
Site Interview: 3-29-89.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	ILD980612717

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ■ YES □ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

In 1970, the landfill Stopped receiving refuse and on November 24, 1970, the Site WAS considered to have final Cover for closure, according to A letter written by C.W. KLASSEN, Director of the IEPA. Cover Consisted of 24" of unknown MAteriAl.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analyses, reports)

Preliminary ASSESSMENT, 1987.
E&E FIT FILES-Region V.

EPA FORM 2070-13 (7-81)

APPENDIX C

FIT SITE PHOTOGRAPHS

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 1 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1125

DIRECTION OF PHOTOGRAPH: SOUTH

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S1

DESCRIPTION: Soil Sample #1.

DATE: April 4, 1989

TIME: 1125

DIRECTION OF PHOTOGRAPH: SOUTH

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S1

DESCRIPTION: Perspective of Soil Sample #1.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 2 OF 17

U.S. EPA ID: FLD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1135

DIRECTION OF PHOTOGRAPH: NORTHEAST

WEATHER CONDITIONS: PARTLY CLOUDY & HAZY, CHANGING TO T-STORMS AND HAIL, THEN SUNNY

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S2

DESCRIPTION: Soil Sample # 2.

DATE: April 4, 1989

TIME: 1135

DIRECTION OF PHOTOGRAPH: NORTHEAST

WEATHER CONDITIONS: PARTLY CLOUDY & HAZY, CHANGING TO T-STORMS AND HAIL, THEN SUNNY

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S2

DESCRIPTION: Perspective of Soil Sample # 2.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: Golf And River Landfill PAGE 3 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1215

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: Partly Cloudy & hazy, Changing to T-Storms And Hail, then Sunny

PHOTOGRAPHED BY: Andrea Davis

SAMPLE ID (if applicable): S3

DESCRIPTION: Soil Sample # 3...

DATE: April 4, 1989

TIME: 1215

DIRECTION OF PHOTOGRAPH: West

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-Storms And Hail, then Sunny

PHOTOGRAPHED BY: Andrea Davis

SAMPLE ID (if applicable): S3

DESCRIPTION: Perspective of Soil Sample # 3.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 4 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

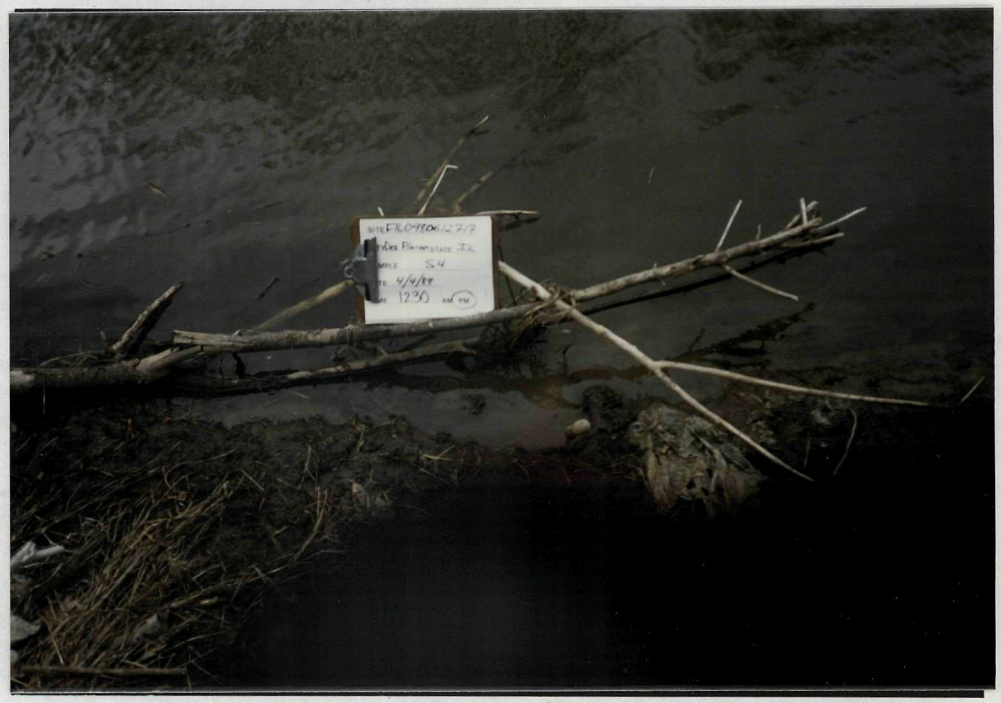
TIME: 1230

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: PARTLY Cloudy & HAZY, CHANGING TO T-STORMS AND HAIL, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S4



DESCRIPTION: Soil Sample #4.

DATE: April 4, 1989

TIME: 1230

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: PARTLY Cloudy & HAZY, CHANGING TO T-STORMS AND HAIL, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S4

DESCRIPTION: Perspective of Soil Sample #4.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 6 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

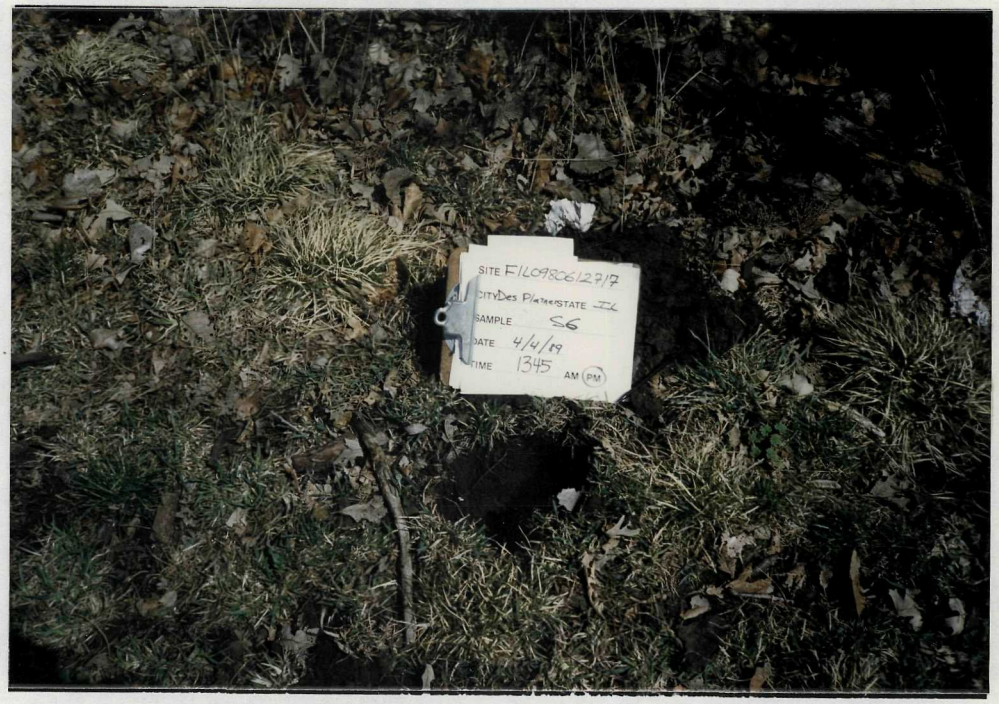
TIME: 1345

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S6



DESCRIPTION: Soil Sample #6. Potential background.

DATE: April 4, 1989

TIME: 1345

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S6

DESCRIPTION: Perspective of Soil Sample #6. Potential background.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 5 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

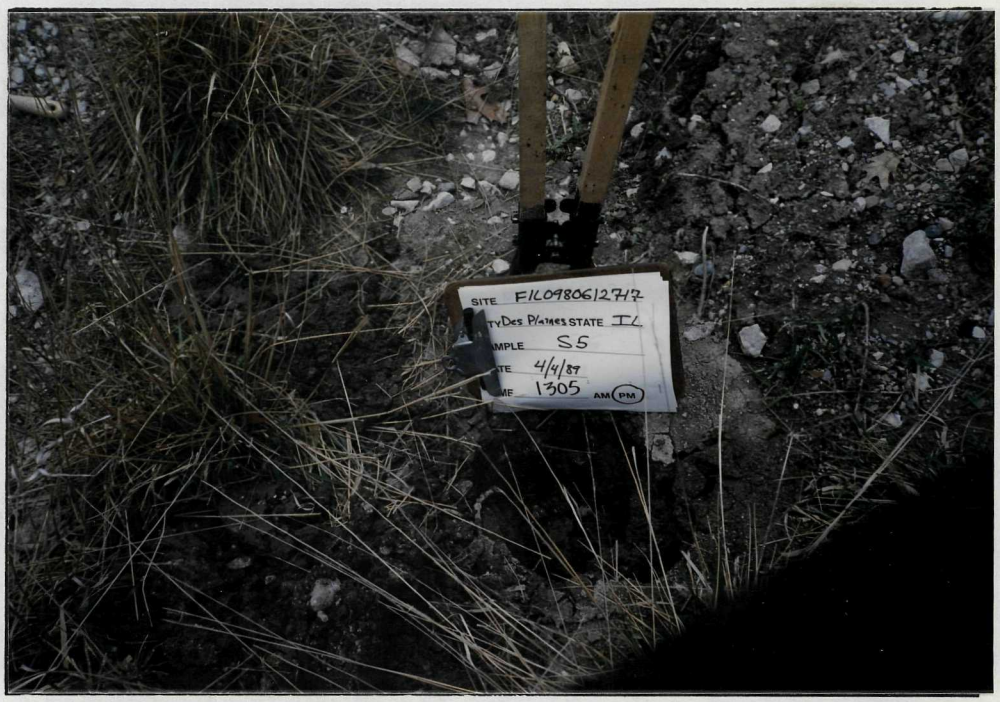
TIME: 1305

DIRECTION OF PHOTOGRAPH: NORTH

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S5



DESCRIPTION: Soil Sample #5.

DATE: April 4, 1989

TIME: 1305

DIRECTION OF PHOTOGRAPH: NORTH

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): S5

DESCRIPTION: Perspective of Soil Sample #5.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 7 OF 17

U.S. EPA ID: ILD980612117 TDD: 05-8410-050 PAN: ILØ622SB

DATE: April 4, 1989 TIME: 1330 DIRECTION OF PHOTOGRAPH: NORTH TO NORTHEAST TO EAST (far right) PHOTOGRAPHED BY: ANDREA DAVIS

WEATHER CONDITIONS: Partly cloudy & hazy, Changing to T-Storms AND hail, then Sunny SAMPLE ID (if applicable): N/A

DESCRIPTION:

Convent and maintenance building with small garden for corn. Landfill is to right.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 8 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1405

DIRECTION OF PHOTOGRAPH: WEST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Control from back.

DATE: April 4, 1989

TIME: 1410

DIRECTION OF PHOTOGRAPH: WEST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Boiler Room with part of old retreat center.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 9 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1100

DIRECTION OF PHOTOGRAPH: SOUTHWEST

WEATHER CONDITIONS: PARTLY CLOUDY & HAZY, CHANGING TO T-STORMS AND HAIL, THEN SUNNY

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: WESTERN GRADE OF LANDFILL

DATE: April 4, 1989

TIME: 1045

DIRECTION OF PHOTOGRAPH: WEST

WEATHER CONDITIONS: PARTLY CLOUDY & HAZY, CHANGING TO T-STORMS AND HAIL, THEN SUNNY

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: SOUTHWESTERN PORTION OF LANDFILL WITH ERODED AREAS

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOIF AND RIVER LANDFILL PAGE 10 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1045

DIRECTION OF PHOTOGRAPH: NORTHEAST

WEATHER CONDITIONS: PARTLY CLOUDY & HAZY, CHANGING TO T-STORMS AND HAIL, THEN SUNNY

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Landfill, looking NORTHEAST.

DATE: April 4, 1989

TIME: 1355

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: PARTLY CLOUDY & HAZY, CHANGING TO T-STORMS AND HAIL, THEN SUNNY

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Previous foundation of Retreat Center

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 11 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1355

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Former RETREAT CENTER foundation in foreground. Gravel area in middleground.

DATE: April 4, 1989

TIME: 1400

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Northern drainage ditch is to left, in trees.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 12 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-050 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1400

DIRECTION OF PHOTOGRAPH: NORTH

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Northern drainage ditch along Landfill and Cemetary.

DATE: April 4, 1989

TIME: 1050

DIRECTION OF PHOTOGRAPH: EAST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: South slope of landfill.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 13 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1035

DIRECTION OF PHOTOGRAPH: NORTHWEST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Part of Cathodic Test Station (See Section 2.3).

DATE: April 4, 1989

TIME: 1035

DIRECTION OF PHOTOGRAPH: NA

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Part of Cathodic test station (See Section 2.3).

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 14 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1040

DIRECTION OF PHOTOGRAPH: NA

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Old well location (?) found on Southern portion of landfill.

DATE: April 4, 1989

TIME: 1300

DIRECTION OF PHOTOGRAPH: NA

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Concrete sewer structure near SS location.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER LANDFILL PAGE 15 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1300

DIRECTION OF PHOTOGRAPH: NA

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Close-up of concrete sewer.

DATE: April 4, 1989

TIME: 1300

DIRECTION OF PHOTOGRAPH: WEST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: DES PLAINES RIVER.

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GULF AND RIVER LANDFILL PAGE 16 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1220

DIRECTION OF PHOTOGRAPH: NORTH

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Eastern bank of Landfill with discarded drums.

DATE: April 4, 1989

TIME: 1230

DIRECTION OF PHOTOGRAPH: WEST

WEATHER CONDITIONS: Partly Cloudy & hazy, changing to T-storms and hail, then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Municipal debris on Eastern Bank of Landfill

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: GOLF AND RIVER - LANDFILL PAGE 17 OF 17

U.S. EPA ID: ILD980612717 TDD: F05-8710-030 PAN: FIL0622SB

DATE: April 4, 1989

TIME: 1235

DIRECTION OF PHOTOGRAPH: WEST

WEATHER CONDITIONS: Partly Cloudy and Hazy, Changing to T-Storms And hail, Then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Eastern bank of Landfill.

DATE: April 4, 1989

TIME: 1105

DIRECTION OF PHOTOGRAPH: SOUTH

WEATHER CONDITIONS: Partly Cloudy & Hazy, Changing to T-Storms And hail, Then Sunny

PHOTOGRAPHED BY: ANDREA DAVIS

SAMPLE ID (if applicable): NA

DESCRIPTION: Southern bank of Landfill.

SI010(2/25/89)

APPENDIX D

U.S. EPA TARGET COMPOUND LIST AND TARGET ANALYTE LIST QUANTITATION/DETECTION LIMITS

ADDENDUM A

ROUTINE ANALYTICAL SERVICES

CONTRACT REQUIRED DETECTION AND QUANTITATION LIMITS

Contract Laboratory Program
Target Compound List
Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
Chloromethane	74-87-3	10 ug/L	10 ug/Kg
Bromomethane	74-83-9	10	10
Vinyl chloride	75-01-4	10	10
Chloroethane	75-00-3	10	10
Methylene chloride	75-09-2	5	5
Acetone	67-64-1	10	5
Carbon disulfide	75-15-0	5	5
1,1-dichloroethene	75-35-4	5	5
1,1-dichloroethane	75-34-3	5	5
1,2-dichloroethene (total)	540-59-0	5	5
Chloroform	67-66-3	5	5
1,2-dichloroethane	107-06-2	5	5
2-butanone (MEK)	78-93-3	10	10
1,1,1-trichloroethane	71-55-6	5	5
Carbon tetrachloride	56-23-5	5	5
Vinyl acetate	108-05-4	10	10
Bromodichloromethane	75-27-4	5	5
1,2-dichloropropane	78-87-5	5	5
cis-1,3-dichloropropene	10061-01-5	5	5
Trichloroethene	79-01-6	5	5
Dibromochloromethane	124-48-1	5	5
1,1,2-trichloroethane	79-00-5	5	5
Benzene	71-43-2	5	5
Trans-1,3-dichloropropene	10061-02-6	5	5
Bromoform	75-25-2	5	5
4-Methyl-2-pentanone	108-10-1	10	10
2-Hexanone	591-78-6	10	10
Tetrachloroethene	127-18-4	5	5
Tolene	108-88-3	5	5
1,1,2,2-tetrachloroethane	79-34-5	5	5
Chlorobenzene	108-90-7	5	5
Ethyl benzene	100-41-4	5	5
Styrene	100-42-5	5	5
Xylenes (total)	1330-20-7	5	5

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
Phenol	108-95-2	10 ug/L	330 ug/Kg
bis(2-Chloroethyl) ether	111-44-4	10	330
2-Chlorophenol	95-57-8	10	330
1,3-Dichlorobenzene	541-73-1	10	330
1,4-Dichlorobenzene	106-46-7	10	330
Benzyl Alcohol	100-51-6	10	330
1,2-Dichlorobenzene	95-50-1	10	330
2-Methylphenol	95-48-7	10	330
bis(2-Chloroisopropyl) ether	108-60-1	10	330
4-Methylphenol	106-44-5	10	330
N-Nitroso-di-n-dipropylamine	621-64-7	10	330
Hexachloroethane	67-72-1	10	330
Nitrobenzene	98-95-3	10	330
Isophorone	78-59-1	10	330
2-Nitrophenol	88-75-5	10	330
2,4-Dimethylphenol	105-67-9	10	330
Benzoic Acid	65-85-0	50	1600
bis(2-Chloroethoxy) methane	111-91-1	10	330
2,4-Dichlorophenol	120-83-2	10	330
1,2,4-Trichlorobenzene	120-82-1	10	330
Naphthalene	91-20-3	10	330
4-Chloroaniline	106-47-8	10	330
Hexachlorobutadiene	87-68-3	10	300
4-Chloro-3-methylphenol	59-50-7	10	330
2-Methylnaphthalene	91-57-6	10	330
Hexachlorocyclopentadiene	77-47-4	10	330
2,4,6-Trichlorophenol	88-06-2	10	330
2,4,5-Trichlorophenol	95-95-4	50	1600
2-Chloronaphthalene	91-58-7	10	330
2-Nitroaniline	88-74-4	50	1600
Dimethylphthalate	131-11-3	10	330
Acenaphthylene	208-96-8	10	330
2,6-Dinitrotoluene	606-20-2	10	330
3-Nitroaniline	99-09-2	50	1600
Acenaphthene	83-32-9	10	330
2,4-Dinitrophenol	51-28-5	50	1600
4-Nitrophenol	100-02-7	50	1600
Dibenzofuran	132-64-9	10	330
2,4-Dinitrotoluene	121-14-2	10	330
Diethylphthalate	84-66-2	10	330
4-Chlorophenyl-phenyl ether	7005-72-3	10	330

Table A
Contract Laboratory Program
Target Compound List
Semivolatiles Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SLUDGE SEDIMENT
Fluorene	86-73-7	10 ug/L	330 ug/Kg
4-Nitroaniline	100-01-6	50	1600
4,6-Dinitro-2-methylphenol	534-52-1	50	1600
N-nitrosodiphenylamine	86-30-6	10	330
4-Bromophenyl-phenylether	101-55-3	10	330
Hexachlorobenzene	118-74-1	10	330
Pentachlorophenol	87-86-5	50	1600
Phenanthrene	85-01-8	10	330
Anthracene	120-12-7	10	330
Di-n-butylphthalate	84-74-2	10	330
Fluoranthene	206-44-0	10	330
Pyrene	129-00-0	10	330
Butylbenzylphthalate	85-68-7	10	330
3,3'-Dichlorobenzidine	91-94-1	20	660
Benzo(a)anthracene	56-55-3	10	330
Chrysene	218-01-9	10	330
bis(2-Ethylhexyl)phthalate	117-81-7	10	330
Di-n-octylphthalate	117-84-0	10	330
Benzo(b)fluoranthene	205-99-2	10	330
Benzo(k)fluoranthene	207-08-9	10	330
Benzo(a)pyrene	50-32-8	10	330
Indeno(1,2,3-cd)pyrene	193-39-5	10	330
Dibenz(a,h)anthracene	53-70-3	10	330
Benzo(g,h,i)perylene	191-24-2	10	330

Table A
Contract Laboratory Program
Target Compound List
Pesticide and PCB Quantitation Limits

COMPOUND	CAS #	WATER	SOIL SEDIMENT SLUDGE
alpha-BHC	319-84-6	0.05 ug/L	8 ug/Kg
beta-BHC	319-85-7	0.05	8
delta-BHC	319-86-8	0.05	8
gamma-BHC (Lindane)	58-89-9	0.05	8
Heptachlor	76-44-8	0.05	8
Aldrin	309-00-2	0.05	8
Heptachlor epoxide	1024-57-3	0.05	8
Endosulfan I	959-98-8	0.05	8
Dieldrin	60-57-1	0.10	16
4,4'-DDE	72-55-9	0.10	16
Endrin	72-20-8	0.10	16
Endosulfan II	33213-65-9	0.10	16
4,4'-DDD	72-54-8	0.10	16
Endosulfan sulfate	1031-07-8	0.10	16
4,4'-DDT	50-29-3	0.10	16
Methoxychlor (Mariate)	72-43-5	0.5	80
Endrin ketone	53494-70-5	0.10	16
alpha-Chlordane	5103-71-9	0.5	80
gamma-chlordane	5103-74-2	0.5	80
Toxaphene	8001-35-2	1.0	160
AROCLOR-1016	12674-11-2	0.5	80
AROCLOR-1221	11104-28-2	0.5	80
AROCLOR-1232	11141-16-5	0.5	80
AROCLOR-1242	53469-21-9	0.5	80
AROCLOR-1248	12672-29-6	0.5	80
AROCLOR-1254	11097-69-1	1.0	160
AROCLOR-1260	11096-82-5	1.0	160

Table A (Cont.)

CONTRACT LABORATORY PROGRAM

TARGET ANALYTE LIST (TAL)

INORGANIC DETECTION LIMITS

Compound	Procedure	Detection Limits Water (µg/L)	Detection Limits Soil Sediment Sludge (mg/kg)
aluminum	ICP	200	40
antimony	furnace	60	2.4
arsenic	furnace	10	2
barium	ICP	200	40
beryllium	ICP	5	1
cadmium	ICP	5	1
calcium	ICP	5,000	1,000
chromium	ICP	10	2
cobalt	ICP	50	10
copper	ICP	25	5
iron	ICP	100	20
lead	furnace	5	1
magnesium	ICP	5,000	1,000
manganese	ICP	15	3
mercury	cold vapor	0.2	0.008
nickel	ICP	40	8
potassium	ICP	5,000	1,000
selenium	furnace	5	1
silver	ICP	10	2
sodium	ICP	5,000	1,000
thallium	furnace	10	2
tin	ICP	40	8
vanadium	ICP	50	10
zinc	ICP	20	4
cyanide	color	10	2

3767:1

APPENDIX E

WELL LOGS OF THE AREA OF THE SITE

WELL LOG #1

...DO NOT DETACH GEOLOGICAL/WATER
E PROPER WELL LOCATION

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 10-25-78

10. Property owner Howard Wilkinson Well No. _____
Address 10001 Potter Rd. Des Plaines
Driller Patrick Liberg License No. 102-386
11. Permit No. 81036 Date Oct 30, 1978
12. Water from ~~Formation~~ SHALE 13. County Cook
at depth 170 to 280 ft. Sec. 10
14. Screen: Diam. _____ in. Twp. 41N
Length: _____ ft. Slot _____ Rge. 12E
Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Black.	1	280

SHOW LOCATION IN SECTION PLAT
L 16 Cent. Rd.
Acres 1st Add.
180'NL 110'WL
(permit)

16. Size Hole below casing: 5 in. NE NW SW
17. Static level 145 ft. below casing top which is _____ ft. above ground level. Pumping level 150 ft. when pumping at 10 gpm for 2 hours. Sub. pump set at 168'

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Top Soil	4	4
Clay	142	146
Gravel	6	152
Blue Clay & Shale	11	161
Gravel & Sand	21	182
Blue Clay & Shale	98	280

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Patrick Liberg DATE 11-9-78

by June Liberg
COOK

10-41N-12E

WELL LOG #2

...SUMER HEALTH PROTECTION, 535 WEST ...
'61. DO NOT DETACH GEOLOGICAL/WATER
E PROPER WELL LOCATION

GEOLOGICAL AND WATER SURVEYS WELL RECORD
Completed 6-15-78

10. Property owner FRED SCURRY Well No. _____
Address 9525 W. Central Rd., Des Plaines, IL.
Driller J. P. LICHTER License No. 102-6
11. Permit No. 75579 Date 6/15/78
12. Water from Fine Gravel 13. County Cook
Formation
at depth 173 to 174 ft. Sec. 10
14. Screen: Diam. _____ in. Twp. 41N
Length: _____ ft. Slot _____ Rge. 12E
Elev. _____

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	Black Steel	grade	179

SHOW LOCATION IN SECTION PLAT
75'SL 125'EL
SW NE NW
(permit)

16. Size Hole below casing: 5 in.
17. Static level 147 ft. below casing top which is 1 ft. above ground level. Pumping level 150 ft. when pumping at 6-8 gpm for _____ hours. Sub. pump set at 165'

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Yellow Clay	10	10
Blue Clay	45	55
Hard Dry Clay	23	78
Very Sandy Clay	31	109
Gravel & Clay	48	157
Gravel (no water)	16	173
Gravel K(water)	1	174

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [signature] DATE 11/20/78

COOK

10-41N-12E

REQUESTED AND MAIL ORIGINAL TO STATE
NSUMER [illegible] TH PROT [illegible] ION, 535 WEST
[illegible]. DO NOT DETACH GEOLOGICAL/WATER
[illegible]E PROPER WELL LOCATION.

WELL LOG #3

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Georg Nuber Well No. 3
Address 10 N. East River Rd, Des Plaines, IL
Driller Mitchell J. Sfymanski License No. 102-001088
11. Permit No. 105806 Date Dec. 3, 1982
12. Water from limestone (Formation) 13. County Cook
at depth 124' to 390' ft.
Sec. 9, 2a
14. Screen: Diam. ______ in.
Twp. 41N
Length: ____ ft. Slot ______
Rge. 12E
Elev. ______
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
6"	Galv. 19.5 lb.	grade	124'

SHOW LOCATION IN SECTION PLAT
Lot 3 SW SE SE SE

16. Size Hole below casing: 6" in.
17. Static level 180 ft. below casing top which is 2' ft. above ground level. Pumping level 221' ft. when pumping at 15 gpm for 4 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Yellow clay	1'	1'
sand	16'	17'
blue clay	80'	97'
clay, gravel & sand	27'	124'
limestone	266'	390'
shale	10'	400'

See remarks in file

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Mitchell J. Szymanski DATE Jan. 24, 1983
Subcontracted to H. Efflenat.
9-41N-12E
9-COK41N12E

QUESTED AND MAIL ORIGINAL TO STATE
UMER HEALTH PROTECTION, 535 WEST
I. DO NOT [illegible]CH GEO[illegible]ICAL/WATER
PROPER W[illegible] LOCATIO[illegible].

WELL LOG 4

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed 6/23/76

10. Property owner [illegible] Well No. ______
Address [illegible]
Driller [illegible] License No. 10284
11. Permit No. 45192 Date 6-8-76
12. Water from limestone (Formation) 13. County Cook
at depth 150 to 165 ft.
Sec. 9
14. Screen: Diam. ______ in.
Twp. 41N
Length: ____ ft. Slot ______
Rge. 12E
Elev. ______
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
~~5~~	~~[illegible] Pipe~~	~~0~~	~~165~~
	Well Dug		

SHOW LOCATION IN SECTION PLAT
NW NW SE (permit)

16. Size Hole below casing: 5 in.
17. Static level ____ ft. below casing top which is 2 ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Overburden	165	165
Limestone at	0	165

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED [illegible] DATE 6/29/76

COUNTY No. 25343.

COOK

9-41N-12E

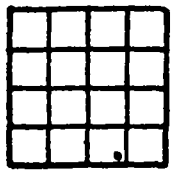
STA... FFIC... JILD... SPR... ELD...
AL / WATER SURVEYS SECTION. BE SURE TO

WELL LOG 5

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed August 5, 1977

10. Property owner J.G. PECK Well No. 4-77
Address 150 N. EASTRIVER RD. DES PLAINES
Driller T. SZYMANSKI License No. 102-108
11. Permit No. 62607 Date 6-24-77
12. Water from LIMESTONE (Formation) 13. County COOK
at depth 134 to 275 ft.
14. Screen: Diam. ____ in.
Length: ____ ft. Slot ____
Sec. 9
Twp. 41N
Rge. 12E
Elev. ____



SHOW LOCATION IN SECTION PLAT
SE SW SE
(permit)

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	GAL. #15	0	134

16. Size Hole below casing 4 7/8 in.
17. Static level 208 ft. below casing top which is ONE ft. above ground level. Pumping level 208 ft. when pumping at 10 gpm for 15 hours. Sub pump set at 257'

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
TOP SOIL	3	3
SAND & GRAVEL	15	18
GRAVEL & CLAY	51	69
SAND	8	77
SAND & GRAVEL	17	94
CLAY & GRAVEL	39	133
SAND & GRAVEL	01	134
LIMESTONE	141	275

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Ted Szymanski DATE 8,5,77
(Partner)

COUNTY No 26015

COOK 9-41N-12E

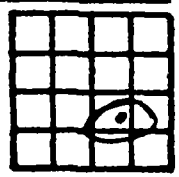
...ER HEALTH ... DUPONT DEEPER GEOPHYSICA... WATER
...PROPER... LOCATI...

WELL LOG 6

GEOLOGICAL AND WATER SURVEYS WELL RECORD

Completed December 2, 1977

10. Property owner George Busch Well No. ____
Address 310 S. River Rd., Des Plaines
Driller R. L. Hoover License No. 102-78
11. Permit No. 68986 Date 11-4-77
12. Water from ____ (Formation) 13. County Cook
at depth ____ to ____ ft.
14. Screen: Diam. ____ in.
Length: ____ ft. Slot ____
Sec. 9
Twp. 41N
Rge. 12E
Elev. ____



SHOW LOCATION IN SECTION PLAT
50'NL, 300'WL
SE NW SE
(permit)

15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
5	New Galv. T&C	0	171
	14.81 ppf.		

16. Size Hole below casing: 5 in.
17. Static level ____ ft. below casing top which is ____ ft. above ground level. Pumping level ____ ft. when pumping at ____ gpm for ____ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Clay	9	9
Sandy clay	3	12
Hardpan	142	154
Gravel & limestone (no water)	7	161
Gravel & clay	10	171
Shale	69	240

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED Lonny L Hoover Jr. DATE 1-30-78

COUNTY No 26014

COOK 9-41N-12E

* These well logs NOT included ON 4-mile radius MAP due TO Proximity TO WELL LOG # 3.